

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Andreas Lendlein, Susi Steuer, and Annika Tuleweit

Serial No.: 10/520,782

Art Unit: Not Yet Assigned

Filed: January 10, 2005

Examiner: Not Yet Assigned

For: *SYSTEMS FOR RELEASING ACTIVE INGREDIENTS BASED ON  
BIODEGRADABLE OR BIOCOMPATIBLE POLYMERS WITH A SHAPE  
MEMORY EFFECT*

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §1.56 and 37 C.F.R. §1.97, Applicants submit an Information Disclosure Statement, including three (3) pages of Form PTO-1449 and a copy of each document cited therein.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b) prior to a first Office Action on the merits. It is believed that no fee is required with this submission. However, should a fee be required, the Commissioner is hereby authorized to charge any required fees to Deposit Account No. 50-3129.

### U.S. Patent Applications

<u>Number</u>	<u>Publication Date</u>	<u>Inventor</u>	<u>Class/Subclass</u>
2001/009982	07-26-2001	Ferrera, et al.	600/585
2003/153972	08-14-2003	Helmus	623/1.15

### U.S. Patents

<u>Number</u>	<u>Issue Date</u>	<u>Patentee</u>	<u>Class/Subclass</u>
5,529,782	06-25-1996	Staab	424/436
5,650,173	07-22-1997	Ramstack, et al.	424/489
6,160,084	12-12-2000	Grablowitz, et al.	528/272
6,281,262	08-28-2001	Shikinami	523/105

### Foreign Documents

<u>Number</u>	<u>Publication Date</u>	<u>Patentee</u>	<u>Country</u>
0 415 671	03-06-1991	Yamanouchi Pharmaceutical Co. Ltd.	EP
0 422 693	04-17-1991	Thoratec Lab. Corp.	EP
1 000 958	05-17-2000	Takiron Co. Ltd.	EP
WO 99/42528	08-26-1999	mnemoScience GmbH	PCT
WO 99/42147	08-26-1999	Massachusetts Institute of Technology	PCT
WO 99/62576	12-09-1999	Elan Corporation, PLC	PCT
WO 01/91822	12-06-2001	mnemoScience GmbH	PCT
WO 02/41929	05-30-2002	Schering AG	PCT
WO 02/060498	08-08-2002	Nemed/Tech LLC	PCT
WO 03/017882	03-06-2003	Synecor LLC	PCT
WO 03/088818	10-30-2003	mnemoScience GmbH	PCT

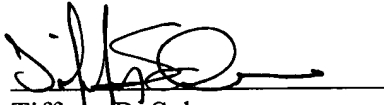
### Publications

HEILMANN, "Osmotically Powered Alzet Osmotic Minipump," Therapeutic Systems Pattern-Specific Drug Delivery; Concept and Development (Ferdinand Enke, ed.), pp. 111-113, Thieme: Verlag, Stuttgart, 1978.

### Remarks

This statement should not be interpreted as a representation that an exhaustive search has been conducted or that no better art exists. Moreover, Applicants invite the Examiner to make an independent evaluation of the cited art to determine its relevance to the subject matter of the present application. Applicants are of the opinion that their claims patentably distinguish over the art referred to herein, either alone or in combination.

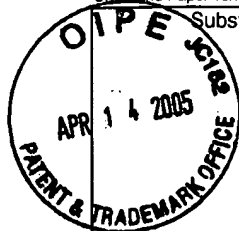
Respectfully submitted,

  
\_\_\_\_\_  
Tiffany B. Salmon  
Reg. No. 55,589

Dated: April 11, 2005

PABST PATENT GROUP LLP  
400 Colony Square, Suite 1200  
1201 Peachtree Street  
Atlanta, Georgia 30361  
(404) 879-2153 (Telephone)  
(404) 879-2160 (Fax)

Substitute for form 1449A/PTO



(use as many sheets as necessary)

Application Number

10/520,782
------------

Filing Date

**January 10, 2005**

First Named Inventor

**Andreas Lendlein**

### Group Art Unit

Examiner Name

Attorney Docket Number

MNE 107

Sheet

1

of

3

[illegible]

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>8</sup>
		Office. <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
		EP	0 415 671		Yamanouchi Pharmaceutical Co. Ltd.	03-06-1991		
		EP	0 422 693		Thoratec Lab. Corp.	04-17-1991		
		EP	1 000 958		Takiron Co. Ltd.	05-17-2000		
		PCT	WO 99/42528		mnemoScience Gmbh	08-26-1999		
		PCT	WO 99/42147		Massachusetts Institute of Technology	08-26-1999		
		PCT	WO 99/62576		Elan Corporation, PLC	12-09-1999		
		PCT	WO 01/91822		mnemoScience GmbH	12-06-2001		

Examiner's  
Signature

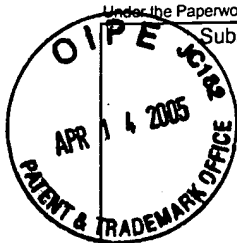
Date Considered	
-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

<sup>1</sup> Unique citation designation number <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FFES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commission for Patent, Washington, DC 20231.

Substitute for form 1449A/PTO



(use as many sheets as necessary)

**Complete if Known**

Application Number	10/520,782
Filing Date	January 10, 2005
First Named Inventor	Andreas Lendlein
Group Art Unit	
Examiner Name	
Attorney Docket Number	MNE 107

Sheet

---

2

of

3

[illegible][illegible]

Examiner's Signature		Date Considered	
----------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

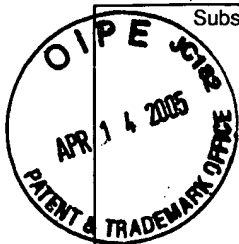
<sup>1</sup> Unique citation designation number <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commission for Patent, Washington, DC 20231.

+

+

Substitute for form 1449A/PTO



(use as many sheets as necessary)

Application Number

10/520,782

Filing Date

**January 10, 2005**

**First Named Inventor**

**Andreas Lendlein**

### Group Art Unit

**Examiner Name**

Attorney Docket Number

MNE 107

Sheet

---

3

of

3

[illegible]

Examiner's  
Signature

Date Considered
-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commission for Patent, Washington, DC 20231.

+